Operating & Service Manual
PL19-6009EN
01/26/2012

Airetool®

999-C-45 (8405492)
Electric Rolling Motor

For additional product information visit our website at http://www.apextoolgroup.com

Tool Specifications	
Model: 999-C-45 (8405492)	
RPM	45
Weight	32 lbs. (14.5 Kg)
Chuck Capacity	3/4-1"
Tube Capacities *	2"-4" (50.8-101.6 mm)

* Note: May vary due to tube wall, material and/or tube sheet thickness.

Language Version:

This Parts Manual is the ***"Original Instructions"*** intended for all persons who will use or repair these tools.

Noise and Vibration:

Refer to documents CE-1015DC and CE-1015TD.

General Description:

Electric powered vertical rolling motors.

Intended Use:

These electric rolling motors are intended for tube rolling applications. Use only for their designated purpose. Do not use as a hammer, lever or other improper usage that can cause tool damage and operator injury.

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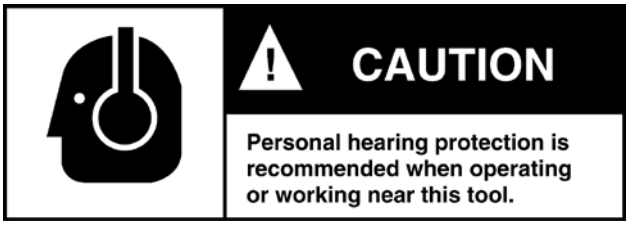
Important: For your safety and the safety of others, read, understand and comply with all safety recommendations and product operating instructions.

ALWAYS WEAR PROTECTIVE EQUIPMENT:

Eye and Face Protection:

For additional information on eye and face protection, refer to Federal OSHA Regulations, 29 Code of Federal Regulations, Section 1910.133, Eye and Face Protection, and American National Standards Institute, ANSI A87.1, Occupational and Educational Eye and Face Protection. Z87.1 is available from the American National Standards Institute, Inc., 130 Broadway, New York, NY 10018.

Hearing Protection:



Hearing protection is required in high noise areas, 85 dBa or greater. The operation of other tools and equipment in the area, reflective surfaces, process noises and resonant structures, can substantially contribute to and increase the noise level in the area. For additional information on hearing protection, refer to Federal OSHA Regulations, 29 Code of Federal Regulations, Section 1910.95, Occupational Noise Exposure, and American National Standards Institute, ANSI S12.6 Hearing Protectors.

CAUTION!

Follow good machine shop practices. Rotating shafts and moving components can entangle and enwrap, and can result in serious injuries. Never wear long hair, loose fitting clothes, gloves, ties or jewelry when working with or near any power tool with an exposed rotating shaft or spindle.

CAUTION!

When using right angle Airetrols with lever type throttles, be sure the throttle is positioned relative to the angle head so that the throttle will not become wedged against an adjacent object in the “ON” position due to the torque reaction. The angle head may be repositioned with respect to the lever to accommodate proper location for the application. If the tool is to be reversed, locate the throttle lever in a neutral position that will prevent entrapment. Refer to the operating instructions for additional information.

CAUTION!

Tools with clutches can stall rather than shut-off if they are adjusted over the maximum power output of the tool, or if there is a drop in air pressure. The operator must then resist the stall torque until the throttle is released.

Higher torque Airetrols, inline and right angle, are supplied with a torque reaction bar designed to work with the torque of the tool it is specified for. These bars can be braced against the work or other suitable points to absorb and relieve the operator of the torque reaction transmitted by the tool. Tool balance arms are also available to absorb the torque reaction of the tool while balancing the weight of the tool for improved ergonomic applications.

Airetool®

999-C-45 Rolling Motor

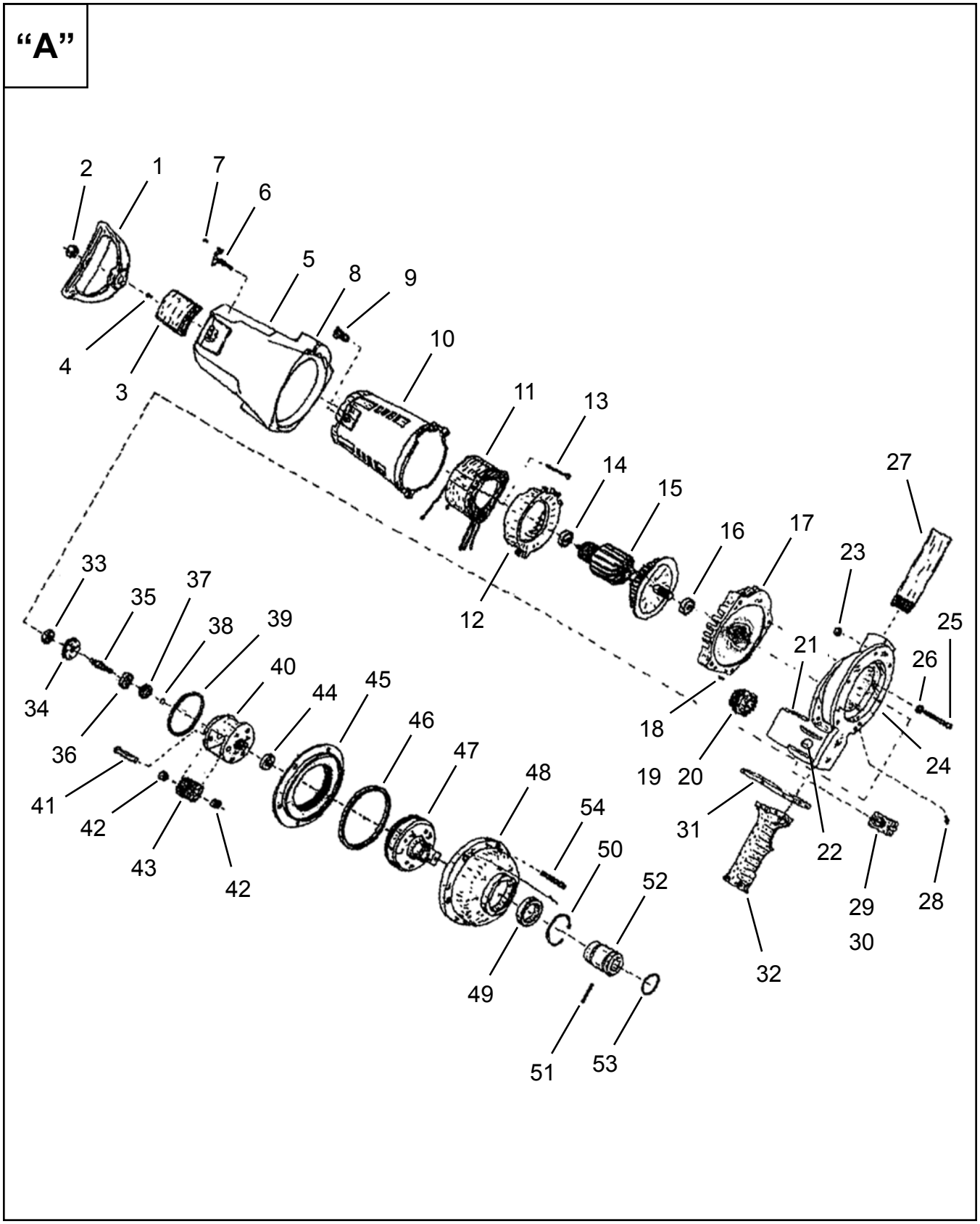


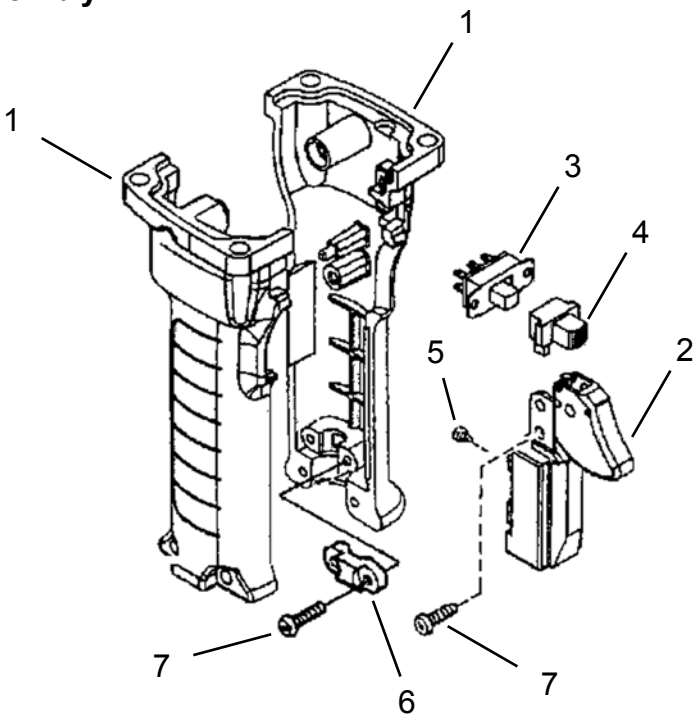
Illustration "A"

Ref	Number	#	X	EN Description
1	8566228	1		Spade Handle (979-10)
2	8010115	1	1	Jam Nut (1/2-13)
3	8567220	1		Brush Cover (979-32-B)
4	8567227	2	4	Brush Cover Screw (979-7-B) (#8-32 x 3/8")
5	8567219	1		Motor Housing (979-6-B)
6	8567211	2	4	Carbon Brush (979-2-B)
7	8567228	2	4	Screw (979-8-B) (#8-32 x 5/16")
8	8567364	1		Pipe Plug (3/4" Hex Socket)
9	8567221	2		Brush Tube (979-9-B)
10	8567222	1		Insulated Housing (979-4-B)
11	8567223	1		120 Volt Field (979-12-B)
12	8567224	1		Baffle (979-10-B)
13	8567229	2	4	Screw (979-13-B) (#10-24 x 2-1/8")
14	8567226	1	2	Bearing (979-11-B)
15	8567225	1		Armature (979-19-B)
16	8566107	1	2	Bearing (939-A-8)
17	8567236	1		Motor Adapter (999-1-AB)
18	8010491	4	8	Round Head Screw (#6-32 x 3/8")
19	8567351	1		Shell (979-3102-A-22-639)
20	8567354	1		Insert (999-22-10-P)
21	8567360	1		Cover (999-24)
22	8010404	1		Lock Ring (ATS-8887) (W-R1-10)
23	8010029	6	6	Hex Nut (5/16-18)
24	8567361	1		Transfer Plate (999-1-C)
25	8010471	4	4	Socket Head Cap Screw (1/4-20 x 2")
26	8010014	4	4	Lock Washer (1/4")
27	8566310	1		Reaction Bar (999-14)
28	8009300	1		Grease Fitting (1/4-28)
29	8567362	1		Reversing Switch (999-17-C)
30	8566315	1	2	Insulator (999-19)
31	8566291	1		Switch Cover (999-3)
32	Illustration "B"			Handle Assembly
33	8534750	1	2	Bearing (S-25102)
34	8566097	1	1	1st Internal Gear (52-939-A)
35	8566290	1		Shaft (999-2)
36	8566305	1	2	Bearing (999-10)
37	8566296	1	1	Pinion Gear (1650-5)
38	3165900	1	2	Retaining Ring (500-24)
39	8566306	1	2	Bearing (999-11)
40	8566297	1		Gear Spider (1650-6)
41	8566298	3	6	Planetary Gear Pin (1650-7)
42	3184600	6	12	Planetary Gear Bearing (600-19)
43	8566295	3	6	Planetary Gear (1650-4)
44	3202000	1	2	Bearing (700-9)
45	8566294	1		Ring Gear (1650-3)
46	8566307	1	2	Bearing (999-12)
47	8566293	1		Output Gear (1650-2)
48	8566292	1		Gear Case (1650-1)
49	8566308	1	2	Bearing (999-13)
50	3212300	1	2	Retaining Ring (750-29)
51	8509400	2		Pin (C-66201)
52	8505600	1		Socket (98975) (3/4" Square Chuck)
	8505500	1		Socket (98910) (1" Square Chuck)
53	3165700	4	12	O-Ring (500-23)
54	8010117	6	6	Socket Head Cap Screw (5/16-18 x 1-1/2")
55	8566102	1		Nameplate (939-A-5) (not shown)
56	8566103	2		Rivet (939-A-6) (not shown)

(#) Quantity
(X) Recommended Spare Parts

Airetool®
Handle and Cable Assemblies

"B" Handle Assembly



"C" 8405494 (999-MC) Power Cable Assembly

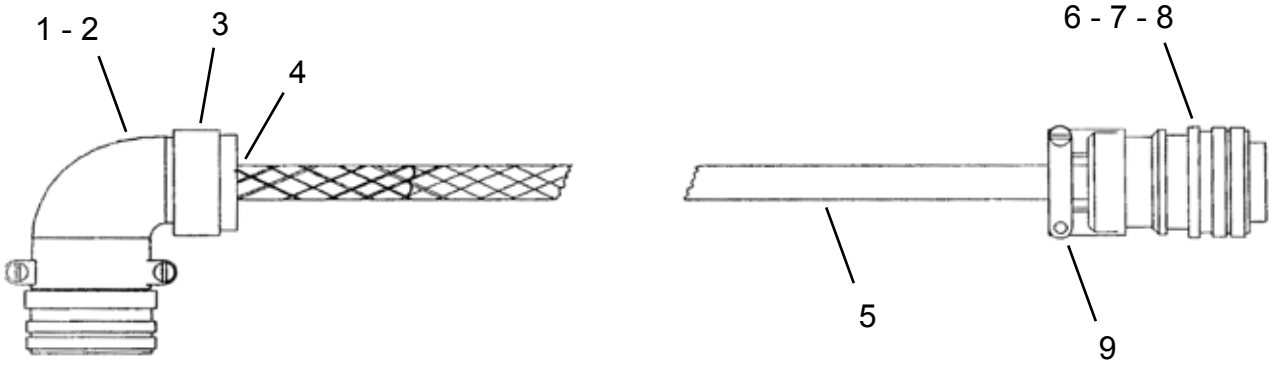


Illustration "B"

Ref	Number	#	X	EN Description
1	8567663	1		Handle Assembly (includes Right and Left Handle Halves) (31-44-1495)
2	8567662	1		Trigger Switch (999-16-C) (23-66-0159)
3	8567362	1		Forward/Reverse Switch (999-17-C) (23-66-2517)
4	23-66-2517	1		Forward/Reverse Shuttle Button (42-24-1005)
5	05-78-0305	4		Switch Screw (05-78-0305)
6	31-17-0155	1		Cord Clamp (31-17-0155)
7	06-82-7270	3		Screw (#8-16 x 5/8" T-20) (06-82-7270)

(#) Quantity
(X) Recommended Spare Parts

Illustration "C"

Ref	Number	#	X	EN Description
--	8405494	1		Motor Cable Assembly (999-MC) (includes Ref. 1-9)
1	8567353	1		Right Angle Connector (979-3108B-22-639)
2	8567355	1		Insert (999-22-10S)
3	8567634	1		Kellems Grip Nut (S-85706-A)
4	8567635	1		Kellems Grip (S-85706-C)
5	2986420	1		Motor Cable (18/5 SO. 15 Ft.)
6	8567356	1		Motor Cable Plug Shell (979-3106A-20-639)
7	8567357	1		Insert (979-20-7P)
8	8567286	1		Bushing (S-85699-562)
9	8567358	1		Clamp (979-20-22-639)

(#) Quantity
(X) Recommended Spare Parts

Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

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Fax: 972-641-9674

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Fax: 248-391-7824

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